

Temporary Facilities List:

(Processing capabilities assumed to be **360** bbl of produced oil per day)

Item	Size	Qty.
Tanks		
Wash Tank & gravel base, 2" insulation	238 bbl	2
Stock Tank & gravel base, 2" insulation	500 bbl	2
Water Tank & gravel base	238 bbl	1
Blend Oil Tank & gravel	238 bbl	1
Facilities Equipment		
Pumping Units	320, 60-in. Stroke	4
Pumping Unit Engines	10 hp, propane fueled	4
Low NOx Heater/Burner (propane fueled)	1.10 MMBtu/hr	1
In-line heat exchanger (for injection heat)	77,000 Btu/hr (non-fired equipment)	1
Vapor Recovery System w/ Gas Scrubber and/or Flare	Compressor, 1.5 hp	1
Gas Processing vessels (vertical)	5' dia. x 15'	2
Injection Pump & Motor	Electric, 5 hp	2
Oil Loading Rack	Electric pump, 3 hp	1
Propane Tank (Well Pad #2)	1,000 gal	1
Propane Generator – Main	18 kW (24 hp req'd)	1
Propane Generator – Emergency	8 kW (11 hp req'd)	1
T's, valves, meters		1
Heating fluid reservoir & dist. system		1
Pipelines		
Conduit		500' / 2,000'
Steel Piping + Insulation – Production	3" (2" insul.)	500' / 2,000'
Steel Piping + Insulation – Injection	2" (1.5" insul.)	500' / 2,000'
Steel Piping – Casing Vapor Recovery	2"	500' / 2,000'
Misc. Facility Piping	1" – 4"	< 200'
Pipe supports	Locate every 16 ft	25 / 105
Pipe supports – Anchored	Locate every 100 ft	5 / 20
Fire Suppression System		
Fire Water Tank	238 bbl	1
Piping (sch 40 PVC) + burial	4"	250' / 1,700'
Fire Hydrants	Max. 150 ft from ea. Well	2 / 3
Booster Pumps	As required	1
Miscellaneous		
Portable Office		1
120 V AC control circuit		1
Fluid Level Transmitter		5
Leak Detection Sensor		7
Leak Alarm		1
Temperature Alarm		1
H ₂ S Alarm		1